

Converting Colors

$Yxy(85.8112, 0.3206, 0.4223)$

Have a look what the booklet for
Yxy(85.8112, 0.3206, 0.4223)
contains.

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Color

Yxy(85.8360, 0.3209, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	C1FFAC
RGB	193, 255, 172
RGB Percent	76%, 100%, 67%
CMY	0.2429, 0.0000, 0.3255
CMYK	0.24, 0.00, 0.33, 0.00
HSL	105°, 100%, 84%
HSV	105°, 33%, 100%
XYZ	65.2102, 85.8360, 52.1641
YIQ	227.0000, -10.3090, -38.9570

Conversions

Conversions Part 2

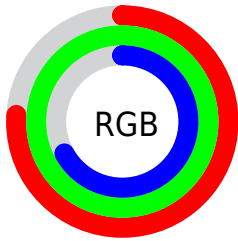
Format	Color
RYB	172, 255, 234
Decimal	12713900
CIELab	94.24, -34.19, 33.58
CIElCh	94, 47.922, 135.519
Yxy	85.8360, 0.3209, 0.4224
Android (android.graphics.Color)	4290903980 (0xFFC1FFAC)
YUV	227.0000, -27.1150, -29.8180
Hunter-Lab	92.6477, -36.4962, 31.4710

Details

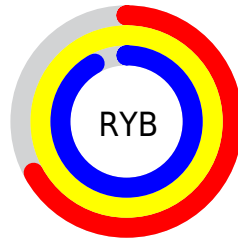
The Yxy color **85.8360, 0.3209, 0.4224** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.2109, 0.2999, 0.2437**, and the grayscale version is **77.0329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6307, 0.3260, 0.3554**, and **47.1233, 0.3212, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **82.6087, 0.3223, 0.4556**, and if you desaturate by 10%, it is **89.5806, 0.3188, 0.3908**.

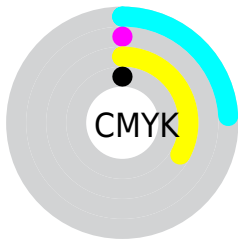
Distribution



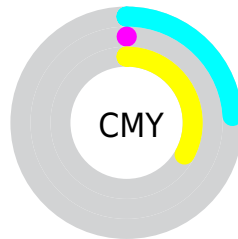
- Red (76%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (92%)



- Cyan (24%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8360, 0.3209, 0.4224 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.8360, 0.3209, 0.4224 by changing the saturation by 10% instead.

 85.8360, 0.3209,
0.4224

 85.8360, 0.3209,
0.4224


514.3903, 0.3186,
0.3784

 64.5324, 0.3211,
0.4326


 141.5406, 0.3204,
0.4070

 47.0820, 0.3211,
0.4452

176.7104, 0.3201,
0.4011

 33.1005, 0.3208,
0.4612


217.2710, 0.3198,
0.3959

 22.2034, 0.3198,
0.4820

263.6068, 0.3195,
0.3915

 14.0065, 0.3175,
0.5103

316.1023, 0.3193,
0.3876

 8.1252, 0.3123,
0.5502


375.1417, 0.3190,


 4.1751, 0.3019,

0.3842

0.6137


441.1096, 0.3188,
0.3811

 1.7720, 0.2726,
0.7274


 0.4696, 0.0000,
1.0000

 85.8360, 0.3209,
0.4224

 85.8360, 0.3209,
0.4224

 82.6087, 0.3223,
0.4556

 89.5806, 0.3188,
0.3908

 79.8645, 0.3228,
0.4890

 93.8528, 0.3162,
0.3616

 77.5825, 0.3222,
0.5208

 98.6766, 0.3134,
0.3352

 75.7353, 0.3202,
0.5488

99.9956, 0.3127,
0.3290

■ 74.2926, 0.3170,
0.5709

■ 73.2194, 0.3127,
0.5858

■ 72.6286, 0.3094,
0.5926

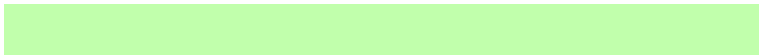
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8360, 0.3729, 0.4259



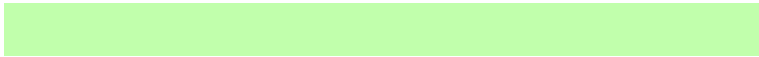
85.8360, 0.3209, 0.4224



85.8360, 0.2692, 0.3855

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8360, 0.3209, 0.4224



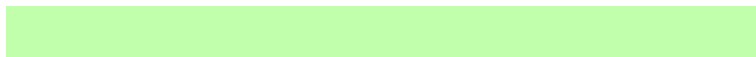
85.8360, 0.2214, 0.2514



85.8360, 0.4000, 0.3186

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.8360, 0.3209, 0.4224



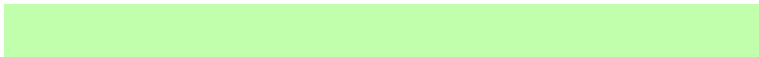
54.2109, 0.2999, 0.2437

Split Complementary

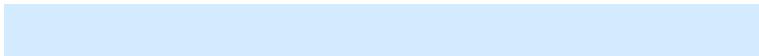
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8360, 0.3526, 0.2805



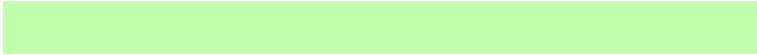
85.8360, 0.3209, 0.4224



85.8360, 0.2499, 0.2427

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8360, 0.3209, 0.4224



85.8360, 0.2148, 0.2816



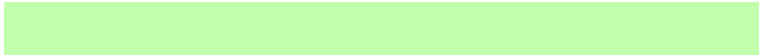
85.8360, 0.2968, 0.2535



85.8360, 0.4216, 0.3614

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8360, 0.3209, 0.4224



85.8360, 0.2418, 0.3494



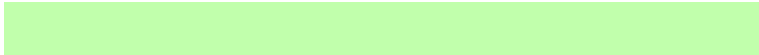
85.8360, 0.2968, 0.2535



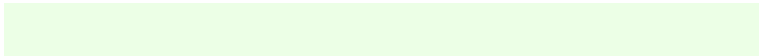
85.8360, 0.3863, 0.3051

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85.8397, 0.3209, 0.4224



95.0326, 0.3155, 0.3546



82.4385, 0.3685, 0.3906



20.2011, 0.3159, 0.3585



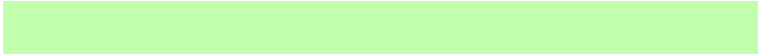
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

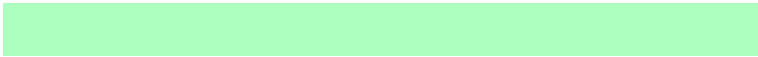
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8397, 0.3209, 0.4224



83.7018, 0.3219, 0.4437



84.0653, 0.2981, 0.4027



20.3907, 0.3154, 0.3533



38.0116, 0.3103, 0.5918



3.7503, 0.3180, 0.5857

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.2109, 0.2999, 0.2437



47.6317, 0.2965, 0.2262



56.8018, 0.3319, 0.2652



18.0548, 0.3097, 0.3053



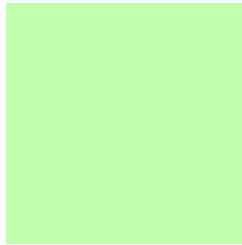
9.5889, 0.2573, 0.1191



0.9855, 0.2649, 0.1233

Previews

White Background



This preview shows how the Yxy color 85.8360, 0.3209, 0.4224 looks on a white background.

Color Contrast Check

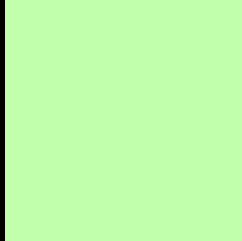
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.8360, 0.3209, 0.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

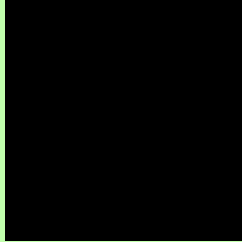
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8360, 0.3209, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 85.8360, 0.3209, 0.4224.

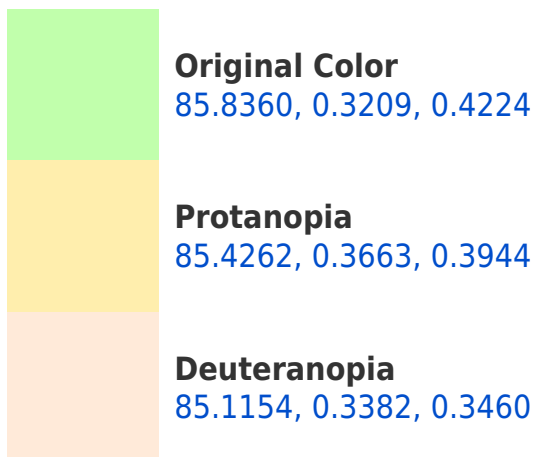


This preview shows how white text looks on a background with the Yxy color 85.8360, 0.3209, 0.4224.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

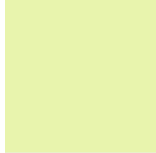
85.6297, 0.2901, 0.3156

Trichromacy



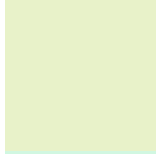
Original Color

85.8360, 0.3209, 0.4224



Protanomaly

84.8743, 0.3483, 0.4040



Deuteranomaly

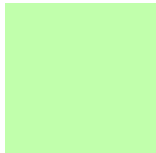
84.8771, 0.3313, 0.3721



Tritanomaly

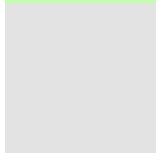
85.5131, 0.3016, 0.3526

Monochromacy



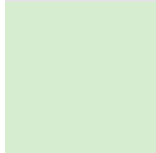
Original Color

85.8360, 0.3209, 0.4224



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.5204, 0.3165, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8360, 0.3209, 0.4224 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(193, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(193, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 85.8360, 0.3209, 0.4224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 255, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(193, 255, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(193, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8360, 0.3209, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(193,  
255, 172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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